

MATERIAL SAFETY DATA SHEET

IDENTITY (As Used on Label and List)

TECHXTRACT® PCB Pro

SECTION I

Manufacturer's Name	Emergency Telephone Number
ACTIVE ENVIRONMENTAL TECHNOLOGIES INC.	CHEMTREC (800) 424-9300
Address	Telephone Number for Information
40 HIGH STREET, SUITE 100	609/702-1500
MT. HOLLY, NEW JERSEY 08060	Date Prepared Date Revised
	02/10/97 04/29/98
	Signature of Preparer (Optional)

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

This product is a chemical mixture. The exact composition is proprietary, trade secret information (29 CFR 1910.1200 (i)).

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV	SARA 313	%
Nitric acid	7697-37-2	2.0	2.0	Yes	5-15%
Chemical buffering agents and water					

The inorganic acid used in this product is highly buffered in order to reduce its corrosivity. TECHXTRACT® PCB Pro has been determined to be **NON-CORROSIVE**, based on DOT corrosion criteria (Protocol S9-D173/3.137). Documentation of this testing is available from Active upon request.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point Approx. 212° F.	Specific Gravity (H ₂ O=1) 1.0719
Vapor Pressure (psia @ 100 Deg. F.) 0.5 psia	Melting Point Not Applicable
Vapor Density (Air=1) Same as Water	Evaporation Rate (Butyl Acetate=1) Same as Water

Solubility in Water
Completely

Appearance and Odor
Nearly clear liquid, slight yellow tint, slight odor. pH = 0.96

EET has been issued U.S. Patents 5,421,906 and 5,512,202 for the TECHXTRACT® technology. European patent application 0693977 and other U.S. and international patents are pending.



SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Flammable Limits	LEL	UEL
ASTM D-93 P.M.	> 210° F.	Unknown	Unknown

Extinguishing Media

Not likely to burn - use water if it does.

Special Fire Fighting Procedures

Water spray. Use full rubberized suit and face mask.

Unusual Fire and Explosion Hazards

The solution is strongly acidic.

SECTION V - REACTIVITY DATA

Stability	Unstable		Conditions to Avoid
	Stable	X	Contact with skin

Incompatibility (Materials to Avoid)

Strongly alkaline materials.

Hazardous Decomposition or Byproducts

Hydrogen and hydrogen sulfide may be released from metals and metal sulfides.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	None

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

May cause skin or respiratory irritation.

If ingested, seek a physician immediately.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
None known			

Signs and Symptoms of Exposure

Skin irritation and nausea

Medical Conditions Generally Aggravated by Exposure

Dermatitis and breathing disorders.

Emergency and First Aid Procedures

Wash skin with soap and water, flush eyes 15 minutes with water.

See a physician immediately if ingested. DO NOT INDUCE VOMITING.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**Steps to be Taken in Case Material is Released or Spilled**

Wash down with copious quantities of water. Pond if possible.

Waste Disposal Method

Vacuum up and dispose of in accordance with Local, State, and Federal authorities.

Disposal must consider any contaminants that have been extracted.

Precautions to be Taken in Handling and Storing

Wear nitrile gloves and safety goggles. Wear respirator if vapors are involved.

Store at temperatures between 40°F and 100°F.

Store in plastic (HDPE) container.

Other Precautions

Have water spray available. Keep away from open flame.

SECTION VIII - CONTROL MEASURES**Respiratory Protection (Specific Type)**

None required (Half-face or full-face respirator optional)

Ventilation	Local Exhaust Maintain good ventilation	Special Not applicable
	Mechanical (General) Not applicable	Other Not applicable

Protective Gloves

Nitrile

Eye Protection

Goggles

Other Protective Clothing or Equipment

Additional protective clothing (e.g., Saranex® or Tyvek® suit, shoe covers, respirator) may be required depending on contaminants and working conditions. Consult with local safety representative(s).

Work/Hygienic Practices

Wash hands before eating or smoking.